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(54) WATER HOLDING MATERIAL FOR SOIL AND SOIL IMPROVING METHOD USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a water holding material for soil not effect with a metal salt having a valence ≤ 2 and biodegradability.

SOLUTION: This water holding material for soil includes ≥ 50 mass.% of a water absorbing material comprising galactomannan, boron-ion and a polyvalent metal ion having three or more valence excluding the boron-ion, and has 40 times of the tare weight of the absorbing capacity of an aqueous solution of a cation having valence ≤ 2 , gel strength $\geq 2 \times 10^{-5}$ N/mm² after water absorption.

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